

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 8,049,691 B2  
APPLICATION NO. : 10/676312  
DATED : November 1, 2011  
INVENTOR(S) : Hao Pan et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**Col. 9, Line 22**

Change “ $d_n(t) = f_d(T; Z_n, Z_{n-1}, Z_{n-2}, \dots, Z_{n-p+1}, Z_{n-p}) 0 \leq t < 1$ ”

to read: -- $d_n(t) = f_d(T; Z_n, Z_{n-1}, Z_{n-2}, \dots, Z_{n-p+1}, Z_{n-p}) 0 \leq t < 1$ --;

**Col. 9, Line 45**

Change: “ $d_n(t) = z_n = x_n$  for  $t' \leq t < 1$ ”

to read: -- $d_n(t) = z_n = x_n$  for  $t' \leq t < 1$ --;

**Col. 9, Line 48**

Change “ $z_{n+1} = z_n, d_{n+1}(t) = z_n = x_n$  for  $0 \leq t < 1$ ”

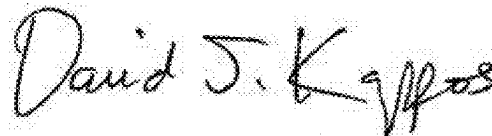
to read: -- $z_{n+1} = z_n, d_{n+1}(t) = z_n = x_n$  for  $0 \leq t < 1$ --;

**Col. 9, Line 54**

Change: “ $d_{n+1}(t) = f_d(t; z_{n+1}, x_n) 0 \leq t < 1$ ”

to read: -- $d_{n+1}(t) = f_d(t; z_{n+1}, x_n) 0 \leq t < 1$ --.

Signed and Sealed this  
Thirty-first Day of January, 2012



David J. Kappos  
Director of the United States Patent and Trademark Office

**Col. 11, Line 39**

Change: “ $z_n = f_n(x_n, d_{n-1})$ ”

to read: “ $z_n = f_g(x_n, d_{n-1})$ ”.

**Col. 14, Line 53**

Change: “ $d_n(t) = f_d(t; Z_n, Z_{n-1}, Z_{n-2}, \dots, Z_{n-p+1}, Z_{n-p}) 0 \leq t < 1$ ”

to read: “ $d_n(t) = f_d(t; Z_n, Z_{n-1}, Z_{n-2}, \dots, Z_{n-p+1}, Z_{n-p}) 0 \leq t < 1$ ”.

**Col. 14, Lines 62-63**

After the equation, remove the “.”.

**Col. 15, Line 61**

Change: “If  $z$ ,” to read “if  $z_i$ ”.

**Col. 15, Line 63**

Change: “ $N$ .” to read “ $N^m$ ”.

**Col. 16, Line 13**

Change: “ $\sum_n^{\min}(i) = (d_n(i) - x_n)^2$ ” to read “ $\sum_n^{\min}(i) = (d_n^{(i)} - x_n)^2$ ”.